

# Patterning: Principles and Some New Developments

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nanotechnology: A Topâ€“Down Approach. , 2004, , 1-9.		1
2	P-91: Technology of Spontaneously Forming Multidomains for Wideviewing Angle LCDs. Digest of Technical Papers SID International Symposium, 2005, 36, 638.	0.1	1
3	Creating functional nanostructured materials at the crossroad of physics, chemistry and materials science. International Journal of Nanotechnology, 2005, 2, 440.	0.1	2
4	Fabrication of reconfigurable protein matrices by cracking. Nature Materials, 2005, 4, 403-406.	13.3	138
5	Self-Organized Patterning: Regular and Spatially Tunable Luminescent Submicrometer Stripes Over Large Areas. Advanced Materials, 2005, 17, 2881-2885.	11.1	34
6	Positive/Negative Arrays of Organic Light-Emitting Diodes by a Surface-Tension-Driven Approach. Advanced Materials, 2005, 17, 2935-2939.	11.1	20
7	Nanomanipulation by Atomic Force Microscopy. Advanced Engineering Materials, 2005, 7, 193-196.	1.6	109
8	Ink-Jet Microdispensing for the Formation of Gradients of Immobilised Enzyme Activity. Macromolecular Rapid Communications, 2005, 26, 325-330.	2.0	34
9	Rhodium-Catalyzed Dehydrocoupling of Fluorinated Phosphine-Borane Adducts: Synthesis, Characterization, and Properties of Cyclic and Polymeric Phosphinoboranes with Electron-Withdrawing Substituents at Phosphorus. Chemistry - A European Journal, 2005, 11, 4526-4534.	1.7	113
10	Fabrication of Photonic Crystal Biosensors using Micro-molding of Nanoporous Glass. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
11	Millimeter-scale surface nano-structuring using focused ion beam milling. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
12	Fabrication of Fluorescence Micropatterns to Photoresists by Selective Doping of Fluorescent Dye Using Vapor Transportation Method. Japanese Journal of Applied Physics, 2005, 44, L1449-L1451.	0.8	8
13	Replicative generation of metal microstructures by template-directed electrometallization. Applied Physics Letters, 2005, 87, 024101.	1.5	34
14	Faceting and structural anisotropy of nanopatterned CdO(110) layers. Journal of Applied Physics, 2005, 98, 034311.	1.1	3
15	PNA-directed solution- and surface-assembly of shell crosslinked (SCK) nanoparticle conjugates. Soft Matter, 2005, 1, 69.	1.2	25
16	New Approaches to Nanofabrication:â€‰ Molding, Printing, and Other Techniques. Chemical Reviews, 2005, 105, 1171-1196.	23.0	1,853
17	Single Etch Patterning of Stacked Silver and Molybdenum Alloy Layers on Glass Using Microcontact Wave Printing. Journal of the American Chemical Society, 2005, 127, 10786-10787.	6.6	11
18	Generation of Focused Electric Field Patterns at Dielectric Surfaces. Analytical Chemistry, 2005, 77, 4667-4672.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Encapsulating Nanoparticle Arrays into Layer-by-layer Multilayers by Capillary Transfer Lithography. <i>Chemistry of Materials</i> , 2005, 17, 5489-5497.	3.2	62
20	Supramolecular Nanostamping: Using DNA as Movable Type. <i>Nano Letters</i> , 2005, 5, 1061-1064.	4.5	62
21	Compressed-CO <sub>2</sub> -Assisted Patterning of Polymers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12376-12379.	1.2	21
22	Solvent-Controlled Organization of Self-Assembled Polymeric Monolayers on Gold: An Easy Approach for the Construction of Protein Resistant Surfaces. <i>Langmuir</i> , 2005, 21, 5988-5996.	1.6	19
23	Wideviewing Technologies of Liquid Crystal Displays Based on Dielectric Surface Patterns. <i>Journal of Display Technology</i> , 2005, 1, 187-193.	1.3	1
24	Bioinspired Ceramic Thin Film Processing: Present Status and Future Perspectives. <i>Crystal Growth and Design</i> , 2005, 5, 1983-2017.	1.4	147
25	Direct Fabrication and Harvesting of Monodisperse, Shape-Specific Nanobiomaterials. <i>Journal of the American Chemical Society</i> , 2005, 127, 10096-10100.	6.6	814
26	Shape-Controlled Synthesis and Surface Plasmonic Properties of Metallic Nanostructures. <i>MRS Bulletin</i> , 2005, 30, 338-348.	1.7	829
27	TAT Peptide Immobilization on Gold Surfaces: A Comparison Study with a Thiolated Peptide and Alkylthiols Using AFM, XPS, and FT-IRRAS. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6225-6232.	1.2	39
28	Preparation of two-dimensionally patterned layers of functionalised calcium phosphate nanoparticles by laser direct writing. <i>Journal of Materials Chemistry</i> , 2006, 16, 1798.	6.7	33
29	Contact Instability in Adhesion and Debonding of Thin Elastic Films. <i>Physical Review Letters</i> , 2006, 97, 018303.	2.9	46
30	Fabrication of nanopatterned films of bovine serum albumin and staphylococcal protein A using latex particle lithography. <i>Analyst</i> , The, 2006, 131, 244-250.	1.7	36
31	Planar tripods of platinum: formation and self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4660.	1.3	63
32	Electroless Plating of Honeycomb and Pincushion Polymer Films Prepared by Self-Organization. <i>Langmuir</i> , 2006, 22, 9760-9764.	1.6	111
33	Controlled nanowire fabrication by PEDAL process. , 2006, , .		0
34	Silicon Nanostructures Formed by Self-organizing Au Nanoparticle Film. , 2006, , .		0
35	Diffusion-Limited Patterning of Molecules in Nanofluidic Channels. <i>Nano Letters</i> , 2006, 6, 1735-1740.	4.5	78
36	Simulation of Grafted Polymers on Nanopatterned Surfaces. <i>Nano Letters</i> , 2006, 6, 133-137.	4.5	70

#	ARTICLE	IF	CITATIONS
37	Fabrication of a highly bendable LCD with an elastomer substrate by using a replica-molding method. <i>Journal of the Society for Information Display</i> , 2006, 14, 1091.	0.8	3
38	Template-Assisted Patterning of Nanoscale Self-assembled Monolayer Arrays on Surfaces. <i>Langmuir</i> , 2006, 22, 8078-8082.	1.6	20
39	Nano-chemistry and scanning probe nanolithographies. <i>Chemical Society Reviews</i> , 2006, 35, 29-38.	18.7	346
40	Principles and Implementations of Dissipative (Dynamic) Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2482-2496.	1.2	268
41	Nanoengineered Multiscale Hierarchical Structures with Tailored Wetting Properties. <i>Langmuir</i> , 2006, 22, 1640-1645.	1.6	160
42	Hierarchical Luminescence Patterning Based on Multiscaled Self-Assembly. <i>Journal of the American Chemical Society</i> , 2006, 128, 9592-9593.	6.6	51
43	Poly(ethylene glycol)-Assisted Two-Dimensional Self-Assembly of Zinc Sulfide Microspheres. <i>Inorganic Chemistry</i> , 2006, 45, 4586-4588.	1.9	16
44	Micro/Nanoscale Well and Channel Fabrication on Organic Polymer Substrates via a Combination of Photochemical and Alkaline Hydrolysis Etchings. <i>Biomacromolecules</i> , 2006, 7, 2770-2775.	2.6	11
45	Simultaneous Alignment and Micropatterning of Organic Crystallites under a Modulated Magnetic Field. <i>Langmuir</i> , 2006, 22, 4853-4855.	1.6	14
46	Combinatorial-mold imprint lithography: A versatile technique for fabrication of three-dimensional polymer structures. <i>Applied Physics Letters</i> , 2006, 89, 023109.	1.5	11
47	Core-Controlled Formation of Micellar Cubic Assemblies of Supramolecular Dendrimers: From Their Mechanism to Formation of Gold Nanostructures. <i>Macromolecules</i> , 2006, 39, 6186-6190.	2.2	7
48	Preparation of Multilayered Trimodal Colloid Crystals and Binary Inverse Opals. <i>Journal of the American Chemical Society</i> , 2006, 128, 15606-15607.	6.6	111
49	To Patterned Binary Polymer Brushes via Capillary Force Lithography and Surface-Initiated Polymerization. <i>Journal of the American Chemical Society</i> , 2006, 128, 8106-8107.	6.6	74
50	Controlled Strain on a Double-Templated Textured Polymer Film: A New Approach to Patterned Surfaces with Bravais Lattices and Chains. <i>Langmuir</i> , 2006, 22, 7248-7253.	1.6	11
51	Interface Interaction Controlled Transport of CdTe Nanoparticles in the Microcontact Printing Process. <i>Langmuir</i> , 2006, 22, 7807-7811.	1.6	15
52	Fluorescent Aromatic Platforms for Cell Patterning. <i>Langmuir</i> , 2006, 22, 5528-5532.	1.6	19
53	Laser Interference Metallurgy using interference as a tool for micro/nano structuring. <i>International Journal of Materials Research</i> , 2006, 97, 1337-1344.	0.1	102
54	Control of Self-Organized Contact Instability and Patterning in Soft Elastic Films. <i>Langmuir</i> , 2006, 22, 7066-7071.	1.6	49

#	ARTICLE	IF	CITATIONS
55	In Situ Observation of Interfacial Bonding of an Organic Monolayer Confined between Two Solid Surfaces. <i>Langmuir</i> , 2006, 22, 18-21.	1.6	6
56	Formation Mechanisms and Properties of Semifluorinated Molecular Gradients on Silica Surfaces. <i>Langmuir</i> , 2006, 22, 8532-8541.	1.6	49
57	Fabrication of Biological Nanostructures by Scanning Near-Field Photolithography of Chloromethylphenylsiloxane Monolayers. <i>Nano Letters</i> , 2006, 6, 29-33.	4.5	75
58	Water-Vapor Plasma-Based Surface Activation for Trichlorosilane Modification of PMMA. <i>Langmuir</i> , 2006, 22, 4104-4109.	1.6	73
59	Nanoscale Surface Patterns from 103Single Molecule Helices of Biodegradable Poly(l-lactic acid). <i>Langmuir</i> , 2006, 22, 5969-5973.	1.6	22
61	Fluorescent Biorecognition of Gold Nanoparticle-IgG Conjugates Self-Assembled on E-Beam Patterns. <i>Biotechnology Progress</i> , 2006, 22, 106-110.	1.3	20
62	A simple lithographic method for fabricating micro/nano multiscale structures. , 2006, 6151, 756.		0
63	Semiconductor Nanowires: From Self-Organization to Patterned Growth. <i>Small</i> , 2006, 2, 700-717.	5.2	715
64	Fabrication of micropatterns with dyes in polymer films by selective doping of dye vapor in a vacuum. <i>Polymers for Advanced Technologies</i> , 2006, 17, 841-844.	1.6	6
65	Acoustical force nanolithography of thin polymer films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1481-1486.	0.8	5
66	Optical micromanipulation takes hold. <i>Nano Today</i> , 2006, 1, 18-27.	6.2	183
67	Formation of microstructured silicon surfaces by electrochemical etching using colloidal crystal as mask. <i>Electrochemistry Communications</i> , 2006, 8, 1817-1820.	2.3	26
68	Surface engineering approaches to micropattern surfaces for cell-based assays. <i>Biomaterials</i> , 2006, 27, 3044-3063.	5.7	881
69	Nanoscale materials patterning and engineering by atomic force microscopy nanolithography. <i>Materials Science and Engineering Reports</i> , 2006, 54, 1-48.	14.8	235
70	Nano-patterning using an embedded particle monolayer as an etch mask. <i>Microelectronic Engineering</i> , 2006, 83, 1503-1508.	1.1	28
71	Nanostructures prepared on polyimide films by nanoimprinting with the assistance of residual solvent. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 2192-2196.	1.5	8
72	Imparting size, shape, and composition control of materials for nanomedicine. <i>Chemical Society Reviews</i> , 2006, 35, 1095.	18.7	354
73	Application of alumoxane nanoparticles as precursors for 3D alumina features. <i>Journal of Materials Science</i> , 2006, 41, 3391-3401.	1.7	5

#	ARTICLE	IF	CITATIONS
74	A versatile approach to selective and inexpensive copper patterns using polyelectrolyte multilayer coatings. <i>Thin Solid Films</i> , 2006, 515, 2347-2352.	0.8	19
75	Sacrificial film-assisted nanoimprint lithography. <i>Microelectronic Engineering</i> , 2006, 83, 542-546.	1.1	7
76	Transition-Metal-Catalyzed Dehydrocoupling: A Convenient Route to Bonds between Main-Group Elements. <i>Chemistry - A European Journal</i> , 2006, 12, 8634-8648.	1.7	265
77	Novel Photo-Crosslinkable Light-Emitting Rod/Coil Copolymers: Underlying Facile Material for Fabricating Pixelated Displays. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1779-1786.	2.0	18
78	Fabricating Super-Hydrophobic Lotus-Leaf-Like Surfaces through Soft-Lithographic Imprinting. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1859-1864.	2.0	129
79	Combinatorial Fabrication of Fluorescent Patterns with Metal Ions Using Soft Lithography. <i>Advanced Materials</i> , 2006, 18, 1028-1032.	11.1	16
80	Electric-Field-Controlled Surface Instabilities in Soft Elastic Films. <i>Advanced Materials</i> , 2006, 18, 660-663.	11.1	64
81	Formation of Periodically Ordered Zinc Oxide Nanopillars in Aqueous Solution: An Approach to Photonic Crystals at Visible Wavelengths. <i>Advanced Materials</i> , 2006, 18, 1617-1621.	11.1	28
82	Facile Patterning of Periodic Arrays of Metal Oxides. <i>Advanced Materials</i> , 2006, 18, 1622-1626.	11.1	29
83	Scanning Probe Nanolithography and Protein Patterning of Low-Fouling Plasma Polymer Multilayer Films. <i>Advanced Materials</i> , 2006, 18, 3079-3082.	11.1	50
84	Direct Printing of 3D and Curvilinear Micrometer-Sized Architectures into Solid Substrates with Sub-micrometer Resolution. <i>Advanced Materials</i> , 2006, 18, 2004-2008.	11.1	42
85	Focused ion beam milling of nanocavities in single colloidal particles and self-assembled opals. <i>Nanotechnology</i> , 2006, 17, 5717-5721.	1.3	21
86	Micropatterning of Monodisperse Spherical Particles by Electrophoretic Deposition Process Using Interdigitated Microarray Electrode. <i>Key Engineering Materials</i> , 2006, 301, 243-246.	0.4	2
87	Micropattern of Colloidal Crystal by Using Electrophoretic Deposition Process with Three-Electrode System. <i>Key Engineering Materials</i> , 2006, 320, 171-174.	0.4	7
88	Pixel-encapsulated flexible displays with a multifunctional elastomer substrate for self-aligning liquid crystals. <i>Applied Physics Letters</i> , 2006, 88, 263501.	1.5	29
89	Electric-field-induced steering of conducting polymer dispersion in microchannels. <i>Applied Physics Letters</i> , 2006, 88, 073506.	1.5	3
90	Fabrication and structural characterization of highly ordered sub-100-nm planar magnetic nanodot arrays over 1cm <sup>2</sup> coverage area. <i>Journal of Applied Physics</i> , 2006, 100, 074318.	1.1	42
91	Fabrication of tunable nanostructure arrays using ion-polishing-assisted nanosphere lithography. <i>Journal of Applied Physics</i> , 2006, 99, 034308.	1.1	12

#	ARTICLE	IF	CITATIONS
92	Nanosphere Lithography Using Thermal Evaporation of Gold. , 2006, , .		2
93	Converging lithography by combination of electrostatic layer-by-layer self-assembly and 193-nm photolithography: Top-down meets bottom-up. Journal of Vacuum Science & Technology B, 2006, 24, 2209.	1.3	7
94	Electric-Field Induced Morphological Transitions in Elastic Contact Instability of Soft Solid Films. Journal of Adhesion, 2007, 83, 513-534.	1.8	15
95	Surface Patterning. Methods in Cell Biology, 2007, 83, 67-87.	0.5	14
96	Electrowetting-assisted drop deposition for controlled spotting. Applied Physics Letters, 2007, 91, 224102.	1.5	16
97	Laser Assisted Roller Imprinting. , 2007, , .		0
98	Micro/Nano Fabrication of Surface Architectures on Polymers and Copolymers Using Direct Laser Interference Patterning. Materials Research Society Symposia Proceedings, 2007, 1054, 7.	0.1	1
99	Nanodevices for Single Molecule Studies. , 2007, , 271-301.		3
101	Interferometric lithography with sub-100-nm resolution using a tabletop 46.9-nm laser. Proceedings of SPIE, 2007, , .	0.8	0
102	Complex and useful polymer micro- and nanostructures via nanoimprint lithography. International Journal of Nanotechnology, 2007, 4, 389.	0.1	1
103	Oxide Nanowire Arrays and Two-Dimensional Photonic Crystals for Control of Light(Review). Journal of the Ceramic Society of Japan, 2007, 115, 92-100.	1.3	5
104	Nanostructures for Tissue Engineering/Regenerative Medicine. , 0, , 375-407.		5
105	Hydrothermal growth of periodic ZnO nanorod arrays using polystyrene sphere templates. Proceedings of SPIE, 2007, , .	0.8	0
106	Patterning of nano-scale arrays by table-top extreme ultraviolet laser interferometric lithography. Optics Express, 2007, 15, 3465.	1.7	47
107	Deposition of tungsten nanogratings induced by a single femtosecond laser beam. Optics Express, 2007, 15, 5937.	1.7	16
108	Langmuir-Blodgett Patterning: A Bottom-Up Way To Build Mesostructures over Large Areas. Accounts of Chemical Research, 2007, 40, 393-401.	7.6	207
109	Patterning Polymeric Structures with 2 nm Resolution at 3 nm Half Pitch in Ambient Conditions. Nano Letters, 2007, 7, 1846-1850.	4.5	80
111	Ordered Nanogroove Arrays on TiO <sub>2</sub> with a Variation of the Groove Depth, Formed by Self-Organized Photoetching. Journal of Physical Chemistry C, 2007, 111, 3934-3937.	1.5	10

#	ARTICLE	IF	CITATIONS
112	Facile Approach to the Fabrication of a Micropattern Possessing Nanoscale Substructure. <i>Langmuir</i> , 2007, 23, 12663-12668.	1.6	3
113	Effects of Catalyst Introduction Methods Using PAMAM Dendrimers on Selective Electroless Nickel Deposition on Polyelectrolyte Multilayers. <i>Langmuir</i> , 2007, 23, 7404-7410.	1.6	35
114	Patterned Deposition of a Mixed-Coordination Adenine~Silver Helicate, Containing a Î€-Stacked Metallacycle, on a Graphite Surface. <i>Journal of the American Chemical Society</i> , 2007, 129, 3488-3489.	6.6	75
115	Simple and Fast Method for the Fabrication of Switchable Bicomponent Micropatterned Polymer Surfaces. <i>Langmuir</i> , 2007, 23, 5205-5209.	1.6	41
116	Fabrication of Gradient Mesostructures by Langmuir~Blodgett Rotating Transfer. <i>Langmuir</i> , 2007, 23, 2280-2283.	1.6	32
117	Biomaterials Approach to Expand and Direct Differentiation of Stem Cells. <i>Molecular Therapy</i> , 2007, 15, 467-480.	3.7	263
118	Synthesis and Characterization of High-Quality ZnS, ZnS:Mn <sup>2+</sup> , and ZnS:Mn <sup>2+</sup> /ZnS (Core/Shell) Luminescent Nanocrystals. <i>Inorganic Chemistry</i> , 2007, 46, 1354-1360.	1.9	158
121	Viruses as Building Blocks for Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3184-3193.	7.2	135
122	Multiphoton Fabrication. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6238-6258.	7.2	541
123	Site-Selective Surface-Initiated Polymerization by Langmuir~Blodgett Lithography. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5231-5233.	7.2	40
127	Organic Nanoparticles: Adapting Emerging Techniques from the Electronics Industry for the Generation of Shape-Specific, Functionalized Carriers for Applications in Nanomedicine. , 0, , 285-303.		2
128	One-Step Production of Organized Surface Architectures on Polymeric Materials by Direct Laser Interference Patterning. <i>Advanced Engineering Materials</i> , 2007, 9, 99-103.	1.6	71
129	Rapid Fabrication of Micro~and Nanoscale Patterns by Replica Molding from Diatom Biosilica. <i>Advanced Functional Materials</i> , 2007, 17, 2439-2446.	7.8	136
131	Fabrication of Oligonucleotide Chips by Using Parallel Cantilever~Based Electrochemical Deposition in Picoliter Volumes. <i>Advanced Materials</i> , 2007, 19, 1816-1821.	11.1	46
132	Micropatterning by Non~Densely Packed Interfacial Colloidal Crystals. <i>Advanced Materials</i> , 2007, 19, 2020-2022.	11.1	39
133	Template- and Vacuum-Ultraviolet- Assisted Fabrication of a Ag-Nanoparticle Array on Flexible and Rigid Substrates. <i>Advanced Materials</i> , 2007, 19, 1267-1271.	11.1	73
134	Micro~scale Truss Structures formed from Self~Propagating Photopolymer Waveguides. <i>Advanced Materials</i> , 2007, 19, 3892-3896.	11.1	151
135	Laser interference metallurgy: A new method for periodic surface microstructure design on multilayered metallic thin films. <i>Applied Surface Science</i> , 2007, 253, 8070-8074.	3.1	59



#	ARTICLE	IF	CITATIONS
136	Fabrication methods of an engineered microenvironment for analysis of cell–biomaterial interactions. <i>Biomaterials</i> , 2007, 28, 126-133.	5.7	111
137	Area-selective microscale metallization on porous anodic oxide film of aluminium. <i>Electrochemistry Communications</i> , 2007, 9, 1596-1601.	2.3	22
138	Large-area submicron replica molding of porous low-k dielectric films and application to photonic crystal biosensor fabrication. <i>Microelectronic Engineering</i> , 2007, 84, 603-608.	1.1	50
139	Solid state cavity QED: Strong coupling in organic thin films. <i>Organic Electronics</i> , 2007, 8, 94-113.	1.4	104
140	Size-tuneable and micro-patterned iron nanoparticles derived from biomolecules via microcontact printing SAM-modified substrates and controlled-potential electrolyses. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 135-140.	5.0	12
141	Unambiguous reconstruction of the complex amplitude reflection coefficient of a laterally homogeneous crystal using analyser-based phase-contrast imaging. <i>Journal of Applied Crystallography</i> , 2007, 40, 650-657.	1.9	6
142	Colloidal Monolayers Combined with Cold Plasmas: A Versatile Nanofabrication Tool. <i>Plasma Processes and Polymers</i> , 2007, 4, S887-S890.	1.6	9
143	Filtration-Assisted Magnetic Micropatterning of Bacterial Cellulose. <i>Polymer Journal</i> , 2007, 39, 1199-1201.	1.3	3
144	Laser micromachining of porous anodic alumina film. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 617-622.	1.1	17
145	Preparation of FePt magnetic nanodot arrays by nanosphere lithography. <i>Science Bulletin</i> , 2007, 52, 1125-1128.	1.7	6
146	Protein adsorption on materials surfaces with nano-topography. <i>Science Bulletin</i> , 2007, 52, 3169-3173.	1.7	49
147	Polyimide liquid crystal alignment layers prepared by soft-lithography. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 318-321.	0.4	2
148	Micro-patterning in anodic oxide film on aluminium by laser irradiation. <i>Electrochimica Acta</i> , 2007, 52, 4724-4733.	2.6	25
149	Development of a novel microstructure fabrication method with co-axial dual capillary solution flow type droplet cells and electrochemical deposition. <i>Electrochimica Acta</i> , 2008, 54, 616-622.	2.6	22
150	Novel fabrication of nano-pattern with optical function by selective doping of dye vapor into novolac resin. <i>Thin Solid Films</i> , 2008, 516, 2411-2415.	0.8	1
151	Formation of Ordered Two-Dimensional Polymer Latticeworks With Polygonal Meshes by Self-Organized Anisotropic Mass Transfer. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 247-257.	1.1	11
152	Two-Dimensional Marangoni-Instability-Induced Periodic Patterns of Polymer Blend Films Cast on Tilted Substrates. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 615-624.	1.1	10
153	Preparation and characterization of molecular photoresists: Crosslinkable positive and water developable negative tones. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3849-3858.	1.3	15

#	ARTICLE	IF	CITATIONS
154	A Hydrodynamically Focused Stream as a Dynamic Template for Site-Specific Electrochemical Micropatterning of Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1072-1075.	7.2	31
155	Topographically Flat, Chemically Patterned PDMS Stamps Made by Dip-Pen Nanolithography. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9951-9954.	7.2	49
156	Influence of Laser-Induced Topography Changes on the Activity of Catalyst Coatings as Examined by Infrared Thermography. <i>Advanced Functional Materials</i> , 2008, 18, 1178-1185.	7.8	3
157	Protein In-Mold Patterning. <i>Advanced Materials</i> , 2008, 20, 1825-1829.	11.1	16
158	Two-Laser-Guided Three-Dimensional Microfabrication and Processing in a Flexible Polymer Matrix. <i>Advanced Materials</i> , 2008, 20, 3427-3432.	11.1	20
161	Laser Ablation Modeling of Periodic Pattern Formation on Polymer Substrates. <i>Advanced Engineering Materials</i> , 2008, 10, 488-493.	1.6	13
162	Direct micro-patterning of aluminum substrates via laser interference metallurgy. <i>Applied Surface Science</i> , 2008, 255, 3210-3216.	3.1	64
163	Assembly of nanoparticles on patterned surfaces by noncovalent interactions. <i>Current Opinion in Colloid and Interface Science</i> , 2008, 13, 74-80.	3.4	48
164	Rheological behavior of PMN gels for solid freeform fabrication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 324, 159-166.	2.3	13
165	Forming openings to semiconductor layers of silicon solar cells by inkjet printing. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1410-1415.	3.0	33
166	Tailored Ag nanoparticle array fabricated by block copolymer photolithography. <i>Thin Solid Films</i> , 2008, 516, 2577-2581.	0.8	34
167	Micro-patterning of TiO <sub>2</sub> thin films by photovoltaic effect on silicon substrates. <i>Thin Solid Films</i> , 2008, 516, 3058-3061.	0.8	5
168	Fabrication of poly(methyl methacrylate) colloidal monolayer on chemically modified silicon surface and hemispherical platinum nanoshell. <i>Applied Surface Science</i> , 2008, 255, 3400-3406.	3.1	0
169	Fabrication of Colloidal Crystals with Defined and Complex Structures via Layer-by-Layer Transfer. <i>Langmuir</i> , 2008, 24, 13772-13775.	1.6	16
170	Using Cylindrical Domains of Block Copolymers To Self-Assemble and Align Metallic Nanowires. <i>ACS Nano</i> , 2008, 2, 489-501.	7.3	293
171	Sub-50 nm positioning of organic compounds onto silicon oxide patterns fabricated by local oxidation nanolithography. <i>Nanotechnology</i> , 2008, 19, 455308.	1.3	27
172	Membrane-substrate interface: Phospholipid bilayers at chemically and topographically structured surfaces. <i>Biointerphases</i> , 2008, 3, FA22-FA32.	0.6	16
173	Nano-patterning with polymer brushes via solvent-assisted polymer grafting. <i>Soft Matter</i> , 2008, 4, 2213.	1.2	32

#	ARTICLE	IF	CITATIONS
174	Nanofluidic Devices and Their Applications. <i>Analytical Chemistry</i> , 2008, 80, 2326-2341.	3.2	345
175	Inkjet printed polymer light-emitting devices fabricated by thermal embedding of semiconducting polymer nanospheres in an inert matrix. <i>Applied Physics Letters</i> , 2008, 92, 183305.	1.5	35
176	Preparation of metal-SAM-dendrimer-SAM-metal junctions by supramolecular metal transfer printing. <i>New Journal of Chemistry</i> , 2008, 32, 652.	1.4	11
177	New Opportunities: The Use of Nanotechnologies to Manipulate and Track Stem Cells. <i>Cell Stem Cell</i> , 2008, 3, 136-146.	5.2	265
178	High-fidelity replication of Dammann gratings using soft lithography. <i>Applied Optics</i> , 2008, 47, 1427.	2.1	6
179	Light scattering from 2D arrays of monodispersed Ag-nanoparticles separated by tunable nano-gaps: spectral evolution and analytical analysis of plasmonic coupling. <i>Optics Express</i> , 2008, 16, 15312.	1.7	32
180	Fabrication Approaches for Generating Complex Micro- and Nanopatterns on Polymeric Surfaces. <i>Chemical Reviews</i> , 2008, 108, 911-945.	23.0	423
181	Fabrication and optical properties of periodical structures based on a water-developable and tunable La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> resist. <i>Journal of Materials Chemistry</i> , 2008, 18, 780.	6.7	11
182	Scanning Electrochemical Imprinting Microscopy: A Tool for Surface Patterning. <i>Journal of the Electrochemical Society</i> , 2008, 155, D203.	1.3	28
183	Printing functional nanostructures: a novel route towards nanostructuring of organic electronic devices via soft embossing, inkjet printing and colloidal self assembly of semiconducting polymer nanospheres. <i>Soft Matter</i> , 2008, 4, 2448.	1.2	39
184	Regulation of Pattern Dimension as a Function of Vacuum Pressure: Alkyl Monolayer Lithography. <i>Langmuir</i> , 2008, 24, 12077-12084.	1.6	25
185	Grayscale Patterning of Polymer Thin Films with Nanometer Precision by Direct-Write Multiphoton Photolithography. <i>Langmuir</i> , 2008, 24, 8939-8943.	1.6	10
186	Fabrication of optically active flexible polymer films with embedded chain-like arrays of silver nanoparticles. <i>Chemical Communications</i> , 2008, , 1284.	2.2	17
187	A Facile Method of Forming Nanoscale Patterns on Poly(ethylene glycol)-Based Surfaces by Self-Assembly of Randomly Grafted Block Copolymer Brushes. <i>Langmuir</i> , 2008, 24, 8303-8308.	1.6	53
188	Three-Dimensional Writing of Copper Nanoparticles in a Polymer Matrix with Two-Color Laser Beams. <i>Chemistry of Materials</i> , 2008, 20, 2060-2062.	3.2	24
189	Patterned Immobilization of Antibodies in Mechanically Induced Cracks. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2727-2733.	1.2	8
190	Synthesis of Partially Protected Block Copolymers Based on 4-Hydroxystyrene Using NMRP and a Sequence of Polymer Analogous Reactions. <i>Macromolecules</i> , 2008, 41, 2821-2831.	2.2	16
191	One-Step Nanoscale Assembly of Complex Structures via Harnessing of an Elastic Instability. <i>Nano Letters</i> , 2008, 8, 1192-1196.	4.5	119

#	ARTICLE	IF	CITATIONS
192	Polymer Pen Lithography. Science, 2008, 321, 1658-1660.	6.0	501
193	Fabrication of metallic micropatterns using table top extreme ultraviolet laser interferometric lithography. Plasma Sources Science and Technology, 2008, 17, 024019.	1.3	8
194	Large area assembled periodic nanoarrays by block copolymer templating and glancing angle deposition. Proceedings of SPIE, 2008, , .	0.8	2
195	Top down nano technologies in production of integrated circuits and surface modification of materials. , 2008, , .		0
196	Wave propagation and instabilities in monolithic and periodically structured elastomeric materials undergoing large deformations. Physical Review B, 2008, 78, .	1.1	216
197	Combinations of Top-Down and Bottom-Up Nanofabrication Techniques and their Application to Create Functional Devices. , 0, , 379-417.		0
198	Patterning with Gels: Lattice-Gas Models. , 0, , 215-232.		0
199	Nano/Micro Patterning of Inorganic Thin Films. Bulletin of the Chemical Society of Japan, 2008, 81, 1337-1376.	2.0	23
200	Patterning Based on Edge Effects: Edge Lithography. , 0, , 167-194.		1
201	Double-layered Metal Mesh Film With Limited Viewing Angle Prepared by Electroless Plating of Self-Organized Honeycomb Film. Macromolecular Symposia, 2008, 267, 100-104.	0.4	4
203	Selective Metal Pattern Fabrication Through Micro-Contact or Ink-Jet Printing and Electroless Plating onto Polymer Surfaces Chemically Modified by Plasma Treatments. Journal of Adhesion, 2009, 85, 690-710.	1.8	14
204	Patterned boron nanowires and field emission properties. Applied Physics Letters, 2009, 94, .	1.5	17
205	Tabletop soft x-ray lithography. , 2009, , .		5
206	Surface patterning of low-dimensional systems: the chirality of charged fibres. Journal of Physics Condensed Matter, 2009, 21, 424114.	0.7	5
207	Surface Functionalization for Protein and Cell Patterning. , 2009, 117, 109-130.		6
208	Viewing Angle Switchable Liquid Crystal Display with Double Layers Separated by an Interlayer Support. Japanese Journal of Applied Physics, 2009, 48, 110205.	0.8	7
209	Retrieval of ultraviolet spectral irradiance from filtered photodiode measurements. Inverse Problems, 2009, 25, 115023.	1.0	13
210	Arrays of Inorganic Nanodots and Nanowires Using Nanotemplates Based on Switchable Block Copolymer Supramolecular Assemblies. Advanced Functional Materials, 2009, 19, 2805-2811.	7.8	64

#	ARTICLE	IF	CITATIONS
212	Directing the Self-Assembly of Mesopatterned Hybrid Materials: Effect of Polymer Concentration and Solvent Type. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 864-878.	1.1	19
213	Fabrication of Polyethylene Superhydrophobic Surfaces by Stretching-Controlled Micromolding. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 295-300.	1.7	25
214	Local Probe Oxidation of Self-Assembled Monolayers: Templates for the Assembly of Functional Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1732-1739.	7.2	50
215	Fabrication of three-dimensional hemispherical structures using photolithography. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 721-726.	1.0	6
216	Solvent-assisted polymer micro-molding. <i>Science Bulletin</i> , 2009, 54, 2193-2204.	1.7	9
217	Micro- and Nanoprinting into Solids Using Reaction-Diffusion Etching and Hydrogel Stamps. <i>Small</i> , 2009, 5, 22-27.	5.2	30
218	A Modified Micromolding Method for Sub-100-nm Direct Patterning of Pd Nanowires. <i>Small</i> , 2009, 5, 2271-2275.	5.2	32
219	Micropatterned TiO <sub>2</sub> effects on calcium phosphate mineralization. <i>Materials Science and Engineering C</i> , 2009, 29, 2355-2359.	3.8	14
220	Fabrication of superhydrophobic and heat-insulating antimony doped tin oxide/polyurethane films by cast replica micromolding. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 268-272.	5.0	61
221	Growth of ordered silver nanoparticles in silica film mesopatterned with a triblock copolymer PEO-b-PPO-b-PEO. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1700-1707.	1.4	45
222	A novel restricted-flow etching method for glass. <i>Journal of Zhejiang University: Science A</i> , 2009, 10, 1601-1608.	1.3	2
223	Colloidal Lithography—The Art of Nanochemical Patterning. <i>Chemistry - an Asian Journal</i> , 2009, 4, 236-245.	1.7	148
224	Atomic force microscope nanolithography: dip-pen, nanoshaving, nanografting, tapping mode, electrochemical and thermal nanolithography. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 483001.	0.7	80
225	Molecular Dynamics Simulations of Nanoimprinting Lithography. <i>Langmuir</i> , 2009, 25, 13244-13249.	1.6	18
226	Self-Assembly of Silver-Aminosilica Nanocomposites through Silver Nanoparticle Fusion on Hydrophobic Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2778-2784.	4.0	18
227	Engineering the Spatial Selectivity of Surfaces at the Nanoscale Using Particle Lithography Combined with Vapor Deposition of Organosilanes. <i>ACS Nano</i> , 2009, 3, 2023-2035.	7.3	70
228	Honeycomb-Patterned Hybrid Films and Their Template Applications via A Tunable Amphiphilic Block Polymer/Inorganic Precursor System. <i>Chemistry of Materials</i> , 2009, 21, 4977-4983.	3.2	80
229	Submicrometer Surface Patterning Using Interfacial Colloidal Particle Self-Assembly. <i>Langmuir</i> , 2009, 25, 7265-7270.	1.6	35

#	ARTICLE	IF	CITATIONS
230	Creating a Library of Complex Metallic Nanostructures <i>via</i> Harnessing Pattern Transformation of a Single PDMS Membrane. <i>ACS Nano</i> , 2009, 3, 2412-2418.	7.3	22
231	Synthesis of large-scale periodic ZnO nanorod arrays and its blue-shift of UV luminescence. <i>Journal of Materials Chemistry</i> , 2009, 19, 962-969.	6.7	48
232	Placement Control of Nanomaterial Arrays on the Surface-Reconstructed Block Copolymer Thin Films. <i>ACS Nano</i> , 2009, 3, 3927-3934.	7.3	91
233	Photochemical fabrication of hierarchical Ag nanoparticle arrays from domain-selective Ag <sup>+</sup> -loading on block copolymer templates. <i>Chemical Communications</i> , 2009, , 6566.	2.2	20
234	Nanoscale Patterning of Organic Monolayers by Catalytic Stamp Lithography: Scope and Limitations. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2711-2720.	4.0	25
235	Progress in Micro- and Nanopatterning via Electrochemical Lithography. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18987-18994.	1.5	75
236	External Compression-Induced Fracture Patterning on the Surface of Poly(dimethylsiloxane) Cubes and Microspheres. <i>Langmuir</i> , 2009, 25, 3102-3107.	1.6	7
237	Nanofluidic structures with complex three-dimensional surfaces. <i>Nanotechnology</i> , 2009, 20, 165302.	1.3	43
238	Biomaterial surface patterning of self-assembled monolayers for controlling neuronal cell behaviour. <i>International Journal of Biomedical Engineering and Technology</i> , 2009, 2, 104.	0.2	25
240	Electron Resist Behavior of Pd Hexadecanethiolate Examined Using X-ray Photoelectron Spectroscopy with Nanometric Lateral Resolution. <i>Langmuir</i> , 2009, 25, 1259-1264.	1.6	12
241	Nanopatterned optical and magnetic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> arrays: synthesis, fabrication, and properties. , 2010, , .		1
242	Photochemistry for the Synthesis of Noble Metal Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1133-1154.	2.0	29
243	A Versatile Approach to Fabricate Ordered Heterogeneous Bull's-Eye-Like Microstructure Arrays. <i>Langmuir</i> , 2010, 26, 5172-5178.	1.6	10
244	Surface Patterning Using Self Assembled Monolayers (SAMs). <i>ACS Symposium Series</i> , 2010, , 65-107.	0.5	5
245	Deposition of Cellulose Nanocrystals by Inkjet Printing. <i>ACS Symposium Series</i> , 2010, , 157-171.	0.5	4
246	Patterned growth of vertically aligned silicon nanowire arrays for label-free DNA detection using surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3143-3150.	1.9	39
247	Antireflective surfaces based on biomimetic nanopillared arrays. <i>Nano Today</i> , 2010, 5, 117-127.	6.2	273
248	Silicon nanotips formed by self-assembled Au nanoparticle mask. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1821-1828.	0.8	17

#	ARTICLE	IF	CITATIONS
249	Fabrication and characterization of nanostructured metallic arrays with multi-shapes in monolayer and bilayer. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1829-1835.	0.8	2
250	Mesoscale Surface Patterning of a Laterally Grafted Rod Amphiphile: Rings And Fibers. <i>ChemPhysChem</i> , 2010, 11, 706-712.	1.0	4
251	A comprehensive review of surface modification for neural cell adhesion and patterning. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1209-1224.	2.1	65
252	Patterning Colloidal Crystals and Nanostructure Arrays by Soft Lithography. <i>Advanced Functional Materials</i> , 2010, 20, 3411-3424.	7.8	133
253	Large-scale Nanopatterning of Single Proteins used as Carriers of Magnetic Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 588-591.	11.1	60
254	Colloidal Self-Assembly Meets Nanofabrication: From Two-Dimensional Colloidal Crystals to Nanostructure Arrays. <i>Advanced Materials</i> , 2010, 22, 4249-4269.	11.1	577
255	Electric field controlled electrospray deposition for precise particle pattern and cell pattern formation. <i>AIChE Journal</i> , 2010, 56, 2607-2621.	1.8	23
257	Polymer-Coated Tips for Patterning of Viruses by Dip-Pen Nanolithography. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9689-9692.	7.2	17
258	Surface Patterning of Poly( $\epsilon$ -caprolactone): Epitaxial Crystallization and Enzymatic Degradation. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2480-2483.	1.1	9
259	Force-Free Patterning of Polyelectrolyte Multilayers under Solvent Assistance. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 716-725.	1.7	4
260	Sensing Diffraction Gratings of Antigen-Responsive Hydrogel for Human Immunoglobulin G Detection. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1332-1336.	2.0	24
261	Breath figure lithography: A facile and versatile method for micropatterning. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 192-197.	5.0	38
262	Micrometer and nanometer-scale parallel patterning of ceramic and organic-inorganic hybrid materials. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1555-1577.	2.8	56
263	Wettability control using large-area nanostructured film. <i>Microelectronic Engineering</i> , 2010, 87, 1424-1427.	1.1	10
264	Nanoscale patterning through self-assembly of hydrophilic block copolymers with one chain end constrained to surface. <i>Polymer</i> , 2010, 51, 1771-1778.	1.8	20
265	Formation of Pd catalyst by Nd:YAG laser irradiation for electroless copper deposition. <i>Microelectronic Engineering</i> , 2010, 87, 2110-2114.	1.1	3
266	Formation of titanium oxide nanogrooves island arrays by anodization. <i>Electrochemistry Communications</i> , 2010, 12, 86-89.	2.3	10
267	Polyaniline micropattern onto flexible substrate by vapor deposition polymerization-mediated inkjet printing. <i>Thin Solid Films</i> , 2010, 518, 5066-5070.	0.8	37

#	ARTICLE	IF	CITATIONS
268	Polymer diffraction gratings on stimuli-responsive hydrogel surfaces: Soft-lithographic fabrication and optical sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 707-713.	4.0	27
269	Fabrication of Au thin film gratings by pulsed laser interference. <i>Applied Surface Science</i> , 2010, 256, 2944-2947.	3.1	11
270	Glucose sensing through diffraction grating of hydrogel bearing phenylboronic acid groups. <i>Biosensors and Bioelectronics</i> , 2010, 26, 772-777.	5.3	65
271	Beam pen lithography. <i>Nature Nanotechnology</i> , 2010, 5, 637-640.	15.6	165
272	Soft lithography for micro- and nanoscale patterning. <i>Nature Protocols</i> , 2010, 5, 491-502.	5.5	1,904
273	Fabrication of hierarchical microstructures on metals by means of direct laser interference patterning. , 2010, , .		2
274	Optical Sensing Based on Localized Surface Plasmon Resonance. <i>Key Engineering Materials</i> , 0, 447-448, 584-589.	0.4	0
275	Field emission properties of patterned boron nanocones. <i>Nanotechnology</i> , 2010, 21, 325705.	1.3	7
276	Stretched inverse opal colloid crystal substrates-induced orientation of fibroblast. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 035011.	1.7	10
277	Direct Fabrication of Hierarchical Microstructures on Metals by Means of Direct Laser Interference Patterning. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2010, 132, .	0.8	54
278	Ordered Au Nanodisk and Nanohole Arrays: Fabrication and Applications. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2010, 1, .	0.8	8
279	Large Area Fabrication of Moth-Eye Antireflection Structures Using Self-Assembled Nanoparticles in Combination with Nanoimprinting. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 075001.	0.8	25
280	Sub-wavelength patterning of organic monolayers via nonlinear processing with continuous-wave lasers. <i>New Journal of Physics</i> , 2010, 12, 125017.	1.2	17
281	Nanopatterned Surfaces for Bio-Detection. <i>Analytical Letters</i> , 2010, 43, 1556-1571.	1.0	11
282	Emerging methods for fabricating functional structures by patterning and assembling engineered nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11197.	1.3	35
283	New Top-Down Approach for Fabricating High-Aspect-Ratio Complex Nanostructures with 10 nm Scale Features. <i>Nano Letters</i> , 2010, 10, 3604-3610.	4.5	71
284	Nanofabrication at High Throughput and Low Cost. <i>ACS Nano</i> , 2010, 4, 3554-3559.	7.3	57
285	Direct Patterning of Intrinsically Electron Beam Sensitive Polymer Brushes. <i>ACS Nano</i> , 2010, 4, 771-780.	7.3	69



#	ARTICLE	IF	CITATIONS
286	Evolution of Various Porphyrin Nanostructures via an Oil/Aqueous Medium: Controlled Self-Assembly, Further Organization, and Supramolecular Chirality. <i>Journal of the American Chemical Society</i> , 2010, 132, 9644-9652.	6.6	162
287	One-dimensional boron nanostructures: Prediction, synthesis, characterizations, and applications. <i>Nanoscale</i> , 2010, 2, 1375.	2.8	71
288	Hierarchical polymer patterns driven by capillary instabilities at mobile and corrugated polymer-polymer interfaces. <i>Soft Matter</i> , 2010, 6, 4900.	1.2	17
289	Templating membrane assembly, structure, and dynamics using engineered interfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 839-850.	1.4	26
290	Micropatterning of conducting polymer tracks on plasma treated flexible substrate using vapor phase polymerization-mediated inkjet printing. <i>Synthetic Metals</i> , 2010, 160, 1119-1125.	2.1	35
291	Multicomponent protein patterning of material surfaces. <i>Journal of Materials Chemistry</i> , 2010, 20, 7322.	6.7	55
292	Patterning of Polystyrene by Scanning Electrochemical Microscopy. <i>Biological Applications to Cell Adhesion</i> . <i>Langmuir</i> , 2010, 26, 17348-17356.	1.6	32
293	Patterned Carbon Nanotubes with Adjustable Array: A Functional Breath Figure Approach. <i>Chemistry of Materials</i> , 2010, 22, 2367-2374.	3.2	61
294	Fabrication of Micro-Nano Hybrid Patterns on a Solid Surface. <i>Langmuir</i> , 2010, 26, 492-497.	1.6	19
295	Fabrication of micropatterns of nanoarrays on a polymeric gel surface. <i>Nanoscale</i> , 2010, 2, 122-127.	2.8	32
296	Diffraction grating of hydrogel functionalized with glucose oxidase for glucose detection. <i>Chemical Communications</i> , 2010, 46, 3872.	2.2	35
297	Formation of ceramic microstructures: honeycomb patterned polymer films as structure-directing agent. <i>Journal of Materials Chemistry</i> , 2010, 20, 5446.	6.7	51
298	Template-free structuring of colloidal hetero-monolayers by inkjet printing and particle floating. <i>Soft Matter</i> , 2010, 6, 2403.	1.2	9
299	Optical Properties and Immunoassay Applications of Noble Metal Nanoparticles. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-12.	1.5	5
300	Orchestrated structure evolution: accelerating direct-write nanomanufacturing by combining top-down patterning with bottom-up growth. <i>Nanotechnology</i> , 2010, 21, 195306.	1.3	6
301	3D macroporous SiCN ceramic patterns tailored by thermally-induced deformation of template. <i>Journal of Materials Chemistry</i> , 2010, 20, 2853.	6.7	16
302	Electrochemically-deposited benzophenone moieties: precursors for dual mode patterning of polymer brushes on conducting surfaces. <i>Chemical Communications</i> , 2011, 47, 2393-2395.	2.2	9
303	Magnetic self-assembly of gold nanoparticle chains using dipolar core-shell colloids. <i>Chemical Communications</i> , 2011, 47, 890-892.	2.2	29

#	ARTICLE	IF	CITATIONS
304	Fabrication of electrochemically responsive surface relief diffraction gratings based on a multifunctional polyamide containing oligoaniline and azo groups. <i>Journal of Materials Chemistry</i> , 2011, 21, 18317.	6.7	18
305	Colloidally Templated Two-Dimensional Conducting Polymer Arrays and SAMs: Binary Composition Patterning and Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 817-827.	4.0	28
306	Ordered Polymeric Microhole Array Made by Selective Wetting and Applications for Electrochemical Microelectrode Array. <i>Langmuir</i> , 2011, 27, 8548-8553.	1.6	12
307	Honeycomb-Structured Films by Multifunctional Amphiphilic Biodegradable Copolymers: Surface Morphology Control and Biomedical Application as Scaffolds for Cell Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2487-2495.	4.0	73
308	Thermal Expansion and Contraction of an Elastomer Stamp Causes Position-Dependent Polymer Patterns in Capillary Force Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 4695-4702.	4.0	20
309	Micron-sized liquid crystalline elastomer actuators. <i>Soft Matter</i> , 2011, 7, 815-823.	1.2	120
311	Practical approach for macroporous structure embedded microfluidic system and the catalytic microchemical application. <i>Lab on A Chip</i> , 2011, 11, 57-62.	3.1	22
312	Constructing robust 3-dimensionally conformal micropatterns: vulcanization of honeycomb structured polymeric films. <i>Soft Matter</i> , 2011, 7, 546-552.	1.2	50
313	Patterning of various silicon structures via polymer lithography and catalytic chemical etching. <i>Nanotechnology</i> , 2011, 22, 275305.	1.3	12
314	Tip-Based Nanofabrication. , 2011, , .		24
316	Nanofabrication for Molecular Scale Devices. , 0, , .		0
317	Nanolithography Study Using Scanning Probe Microscope. , 2011, , .		2
318	Title is missing!. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2011, 62, 92-97.	0.1	1
319	Two-dimensionally patterned nanostructures based on monolayer colloidal crystals: Controllable fabrication, assembly, and applications. <i>Nano Today</i> , 2011, 6, 608-631.	6.2	328
320	Comparison of micropatterning methods for ceramic surfaces. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2809-2817.	2.8	28
321	Fabrication of ultrahigh-density nanowires by electrochemical nanolithography. <i>Nanoscale Research Letters</i> , 2011, 6, 444.	3.1	7
322	Diblock copolymer micellar lithography: 2. Formation of highly ordered nanoparticle ensembles with controlled geometric characteristics. <i>Colloid Journal</i> , 2011, 73, 707-716.	0.5	0
323	Unconventional Low-Cost Fabrication and Patterning Techniques for Point of Care Diagnostics. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1313-1327.	1.3	63

#	ARTICLE	IF	CITATIONS
324	Ultrafast Large-Area Micropattern Generation in Nonabsorbing Polymer Thin Films by Pulsed Laser Diffraction. <i>Small</i> , 2011, 7, 758-765.	5.2	11
325	Chemically Functionalized Surface Patterning. <i>Small</i> , 2011, 7, 2273-2289.	5.2	83
326	Fabrication of Multiscale Gradient Polymer Patterns by Direct Molding and Spatially Controlled Reflow. <i>Advanced Functional Materials</i> , 2011, 21, 1147-1153.	7.8	12
327	Direct Writing of Metal Nanoparticles by Localized Plasma Electrochemical Reduction of Metal Cations in Polymer Films. <i>Advanced Functional Materials</i> , 2011, 21, 2155-2161.	7.8	67
328	Micropatterning of Graphene Sheets by Inkjet Printing and Its Wideband Dipole-Antenna Application. <i>Advanced Materials</i> , 2011, 23, 2113-2118.	11.1	226
330	Soft Robotics for Chemists. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1890-1895.	7.2	912
331	Scanning electrochemical microscopy studies of micropatterned copper sulfide (Cu <sub>x</sub> S) thin films fabricated by a wet chemistry method. <i>Electrochimica Acta</i> , 2011, 56, 5016-5021.	2.6	22
332	Large Area Direct Fabrication of periodic Arrays using Interference Patterning. <i>Physics Procedia</i> , 2011, 12, 214-220.	1.2	40
333	Facile patterning of upconversion NaYF <sub>4</sub> :Yb,Er nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 569-573.	5.0	19
334	Aligned nanowires and nanodots by directed block copolymer assembly. <i>Nanotechnology</i> , 2011, 22, 305302.	1.3	23
335	Fabrication of poly- and single-crystalline platinum nanostructures using hole-mask colloidal lithography, electrodeposition and annealing. <i>Nanotechnology</i> , 2011, 22, 345302.	1.3	9
336	Shrink-film microfluidic education modules: Complete devices within minutes. <i>Biomicrofluidics</i> , 2011, 5, 22209.	1.2	30
337	Nanoimprint lithography (NIL) and related techniques for electronics applications. , 2011, , 280-329.		6
338	Improving the height of replication in EHD patterning by optimizing the electrical properties of the template. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 115004.	1.5	15
339	Pauli Spin Paramagnetism and Electronic Specific Heat in Generalised d-Dimensions. <i>Communications in Theoretical Physics</i> , 2011, 55, 901-903.	1.1	9
340	Embedding filtering criteria into a wrapper marker selection method for brain tumor classification: an application on metabolic peak area ratios. <i>Measurement Science and Technology</i> , 2011, 22, 114019.	1.4	1
341	Orchestrated structure evolution: modeling growth-regulated nanomanufacturing. <i>Nanotechnology</i> , 2011, 22, 165303.	1.3	4
342	Electrodeposition modeling and optimization to improve thin film patterning with orchestrated structure evolution. <i>Nanotechnology</i> , 2012, 23, 305301.	1.3	3

#	ARTICLE	IF	CITATIONS
343	ORGANIZED STRUCTURES FORMATION DRIVEN BY INTERFACIAL INSTABILITY AT THE THREE PHASE CONTACT LINE: LANGMUIR-BLODGETT PATTERNING. , 2012, , 157-187.		0
344	Metal-Vapor Deposition Modulation on Soft Polymer Surfaces. Applied Physics Express, 2012, 5, 021601.	1.1	20
345	Large area direct fabrication of periodic arrays using interference patterning. Proceedings of SPIE, 2012, , .	0.8	3
346	Fabrication of ultra-fine nanostructures using edge transfer printing. Nanoscale, 2012, 4, 1939.	2.8	21
347	Cellular Responses to Nanoscale Surface Modifications of Titanium Implants for Dentistry and Bone Tissue Engineering Applications. , 2012, , 113-136.		7
348	pH-triggered shape response of cubical ultrathin hydrogel capsules. Soft Matter, 2012, 8, 9828.	1.2	49
349	Hierarchical patterning of organic molecules for self-referenced vapor sensing. Journal of Materials Chemistry, 2012, 22, 7704.	6.7	10
350	Nonintercalating Nanosubstrates Create Asymmetry between Bilayer Leaflets. Langmuir, 2012, 28, 2842-2848.	1.6	12
351	Nano-organized Collagen Layers Obtained by Adsorption on Phase-Separated Polymer Thin Films. Langmuir, 2012, 28, 2007-2014.	1.6	16
352	Enhanced Wet-Chemical Etching To Prepare Patterned Silicon Mask with Controlled Depths by Combining Photolithography with Galvanic Reaction. Industrial & Engineering Chemistry Research, 2012, 51, 788-794.	1.8	7
353	Click chemistry and electro-grafting onto colloiddally templated conducting polymer arrays. Polymer, 2012, 53, 3124-3134.	1.8	4
354	Functional micropatterned surfaces prepared by simultaneous UVâ€lithography and surface segregation of fluorinated copolymers. Journal of Polymer Science Part A, 2012, 50, 4902-4910.	2.5	5
355	Micropatterning of graphene sheets: recent advances in techniques and applications. Journal of Materials Chemistry, 2012, 22, 8179.	6.7	69
357	Plasma deposited coatings for biomedical materials and devices: Fluorocarbon and PEO-like coatings. Surface and Coatings Technology, 2012, 211, 50-56.	2.2	25
358	Solution epitaxy of patterned ZnO nanorod arrays by interference lithography. Progress in Crystal Growth and Characterization of Materials, 2012, 58, 135-144.	1.8	2
359	Facile one-step photopatterning of polystyrene films. Polymer Journal, 2012, 44, 966-972.	1.3	31
360	Electroassisted Fabrication of Free-Standing Silica Structures of Micrometer Size. Chemistry of Materials, 2012, 24, 2265-2273.	3.2	17
361	Allergen Arrays for Antibody Screening and Immune Cell Activation Profiling Generated by Parallel Lipid Dipâ€Pen Nanolithography. Small, 2012, 8, 585-591.	5.2	34

#	ARTICLE	IF	CITATIONS
362	Structure Formation by Dynamic Self-Assembly. <i>Small</i> , 2012, 8, 488-503.	5.2	33
363	Integrated 3D-printed reactionware for chemical synthesis and analysis. <i>Nature Chemistry</i> , 2012, 4, 349-354.	6.6	541
364	Probe-Based Electro-Oxidative Lithography of OTS SAMs Deposited onto Transparent ITO Substrates. <i>Advanced Functional Materials</i> , 2012, 22, 4376-4382.	7.8	20
365	Directional Photofluidization Lithography: Micro/Nanostructural Evolution by Photofluidic Motions of Azobenzene Materials. <i>Advanced Materials</i> , 2012, 24, 2069-2103.	11.1	252
366	Patterned 3D assembly of Au nanoparticle on silicon substrate by colloid lithography. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	19
367	Using colloid lithography to fabricate silicon nanopillar arrays on silicon substrates. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 40-48.	5.0	25
368	Guidance of stem cell fate on 2D patterned surfaces. <i>Biomaterials</i> , 2012, 33, 6626-6633.	5.7	154
369	Osteoblast behavior on TiO <sub>2</sub> microgrooves prepared by soft-lithography and sol-gel methods. <i>Materials Science and Engineering C</i> , 2012, 32, 742-748.	3.8	11
370	Use of polydimethylsiloxane thin film as vertical liquid crystal alignment layer. <i>Thin Solid Films</i> , 2012, 520, 2841-2845.	0.8	19
371	Large-Scale Controllable Patterning Growth of Aligned Organic Nanowires through Evaporation-Induced Self-Assembly. <i>Chemistry - A European Journal</i> , 2012, 18, 975-980.	1.7	18
372	Conjugated Hyperbranched Poly(aryleneethynylene)s: Synthesis, Photophysical Properties, Superquenching by Explosive, Photopatternability, and Tunable High Refractive Indices. <i>Chemistry - A European Journal</i> , 2012, 18, 2847-2856.	1.7	57
373	Solvent-Assisted Directed Self-Assembly of Spherical Microdomain Block Copolymers to High Areal Density Arrays. <i>Advanced Materials</i> , 2013, 25, 3677-3682.	11.1	23
374	Fabrication of Microscale Hydrogels for Tissue Engineering Applications. , 2013, , 59-80.		6
375	Embedded Palladium Activation as a Facile Method for TiO <sub>2</sub> -Nanotube Nanoparticle Decoration: Cu <sub>2</sub> O-Induced Visible-Light Photoactivity. <i>ChemistryOpen</i> , 2013, 2, 21-24.	0.9	10
377	Double oxide deposition and etching nanolithography for wafer-scale nanopatterning with high-aspect-ratio using photolithography. <i>Applied Physics Letters</i> , 2013, 103, 033105.	1.5	2
378	i3DP, a robust 3D printing approach enabling genetic post-printing surface modification. <i>Chemical Communications</i> , 2013, 49, 10064.	2.2	90
379	Materiomics: Multiscale Mechanics of Biological Materials and Structures. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , .	0.3	14
380	Surface Patterning Using Two-Phase Laminar Flow and In-Situ Formation of Aryldiazonium Salts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10261-10264.	7.2	21

#	ARTICLE	IF	CITATIONS
381	Shadow masking for nanomaterial-based biosensors incorporated with a microfluidic device. <i>Biomedical Microdevices</i> , 2013, 15, 531-537.	1.4	3
382	Rolling particle lithography by soft polymer microparticles. <i>Soft Matter</i> , 2013, 9, 2206.	1.2	9
383	A numerical study of nanoscale electrohydrodynamic patterning in a liquid film. <i>Soft Matter</i> , 2013, 9, 3412.	1.2	28
384	Building functional materials for health care and pharmacy from microfluidic principles and Flow Focusing. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1447-1469.	6.6	96
385	Silicateins – A Novel Paradigm in Bioinorganic Chemistry: Enzymatic Synthesis of Inorganic Polymeric Silica. <i>Chemistry - A European Journal</i> , 2013, 19, 5790-5804.	1.7	61
386	Microfluidic Platforms for Human Disease Cell Mechanics Studies. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 107-119.	0.3	2
387	Self-Sorting Click Reactions That Generate Spatially Controlled Chemical Functionality on Surfaces. <i>Langmuir</i> , 2013, 29, 5920-5926.	1.6	18
388	Template synthesis of 3D-structured macroporous oxides and hierarchical zeolites. <i>Catalysis in Industry</i> , 2013, 5, 80-89.	0.3	13
389	Surface Patterning. , 2013, , 276-301.		4
390	Combining 3D printing and liquid handling to produce user-friendly reactionware for chemical synthesis and purification. <i>Chemical Science</i> , 2013, 4, 3099-3103.	3.7	150
391	Mixtures of Supported and Hybrid Lipid Membranes on Heterogeneously Modified Silica Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2113-2122.	1.2	8
392	Micro-patterned composite films with bowl-like SnO <sub>2</sub> microparticles. <i>Materials Letters</i> , 2013, 92, 284-286.	1.3	11
393	Nanosphere Lithography: A Powerful Method for the Controlled Manufacturing of Nanomaterials. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-19.	1.5	198
394	Two-Dimensional Micropatterns via Crystal Growth of Na <sub>2</sub> CO <sub>3</sub> for Fabrication of Transparent Electrodes. <i>Langmuir</i> , 2013, 29, 12259-12265.	1.6	16
395	Highly Sensitive, Patternable Organic Films at the Nanoscale Made by Bottom-Up Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3691-3696.	4.0	15
396	Electrohydrodynamic Patterning of Micro/Nano-Structures on Thin Polymer Films. , 2013, , .		0
397	Investigation of 1D Silver Nanoparticle Arrays for Use as Molecule Concentration-Specific SERS Substrates. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	2
398	Theory of Attenuated Total Reflection Including Effects of Roughness. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 102001.	0.8	3

#	ARTICLE	IF	CITATIONS
399	Precise Patterning of Silk Microstructures Using Photolithography. <i>Advanced Materials</i> , 2013, 25, 6207-6212.	11.1	116
400	Dynamic modelling of micro/nano-patterning transfer by an electric field. <i>RSC Advances</i> , 2013, 3, 24658.	1.7	13
401	Printing technologies in fabrication of drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1711-1723.	2.4	101
402	Three-dimensional patterning and morphological control of porous nanomaterials by gray-scale direct imprinting. <i>Scientific Reports</i> , 2013, 3, 1502.	1.6	29
403	Nanomoulding of Functional Materials, a Versatile Complementary Pattern Replication Method to Nanoimprinting. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	0
404	Surface Patterning Using Two-Phase Laminar Flow and In-Situ Formation of Aryldiazonium Salts. <i>Angewandte Chemie</i> , 2013, 125, 10451-10454.	1.6	3
405	Continuous parallel ESI-MS analysis of reactions carried out in a bespoke 3D printed device. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 285-291.	1.5	67
406	Fabrication of Highly Ordered Two-Dimensional Graphene Arrays on Patterned Substrate. <i>Materials Science Forum</i> , 0, 809-810, 231-236.	0.3	0
407	Dispersive and scattering properties of multilayer arrays made of plasmonic nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2524.	0.9	9
408	Electrode Materials (Bulk Materials and Modification). <i>Nanostructure Science and Technology</i> , 2014, , 403-495.	0.1	6
409	Silver localization on polyimide using microcontact printing and electroless metallization. <i>Applied Surface Science</i> , 2014, 307, 716-723.	3.1	23
410	Host-guest supramolecular chemistry at solid-liquid interface: An important strategy for preparing two-dimensional functional nanostructures. <i>Science China Chemistry</i> , 2014, 57, 13-25.	4.2	36
411	Influence of interfacial adhesion on the mechanical response of magneto-rheological elastomers at high strain. <i>Microsystem Technologies</i> , 2014, 20, 803-814.	1.2	10
412	Oil-water biphasic parallel flow for the precise patterning of metals and cells. <i>Biomedical Microdevices</i> , 2014, 16, 245-253.	1.4	4
413	Silk Protein Lithography as a Route to Fabricate Sericin Microarchitectures. <i>Advanced Materials</i> , 2014, 26, 4431-4437.	11.1	84
414	Towards fabrication of 3D printed medical devices to prevent biofilm formation. <i>International Journal of Pharmaceutics</i> , 2014, 459, 62-64.	2.6	160
415	One-step fabrication of a highly conductive and durable copper paste and its flexible dipole tag-antenna application. <i>Chemical Communications</i> , 2014, 50, 3093-3096.	2.2	25
416	Direct laser interference patterning of polystyrene films doped with azo dyes, using 355nm laser light. <i>Applied Surface Science</i> , 2014, 300, 86-90.	3.1	14

#	ARTICLE	IF	CITATIONS
417	Force modeling and applications of inclined ball end milling of micro-dimpled surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 689-700.	1.5	13
418	Self-assembled tunable networks of sticky colloidal particles. <i>Nature Communications</i> , 2014, 5, 3117.	5.8	50
419	Subsecond Annealing of Advanced Materials. <i>Springer Series in Materials Science</i> , 2014, , .	0.4	14
420	Tunable Organic Hetero- Patterns via Molecule Diffusion Control. <i>Small</i> , 2014, 10, 3045-3049.	5.2	6
421	Two-dimensional array of particles originating from dipole-dipole interaction as evidenced by potential curve measurements at vertical oil/water interfaces. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16976-16984.	1.3	3
422	Direct Current Electric Field Assembly of Colloidal Crystals Displaying Reversible Structural Color. <i>ACS Nano</i> , 2014, 8, 8095-8103.	7.3	68
423	3D printed flow plates for the electrolysis of water: an economic and adaptable approach to device manufacture. <i>Energy and Environmental Science</i> , 2014, 7, 3026-3032.	15.6	138
424	pH-responsive hydrogel cubes for release of doxorubicin in cancer cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2494-2507.	2.9	61
425	Nonlithographic Fabrication of Nanostructured Micropatterns via Breath Figures and Solution Growth. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4403-4409.	1.5	20
426	Initiator-Integrated 3D Printing Enables the Formation of Complex Metallic Architectures. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 2583-2587.	4.0	95
427	The use of atomic layer deposition in advanced nanopatterning. <i>Nanoscale</i> , 2014, 6, 10941-10960.	2.8	304
428	Fabrication of 10 nm-Scale Complex 3D Nanopatterns with Multiple Shapes and Components by Secondary Sputtering Phenomenon. <i>ACS Nano</i> , 2014, 8, 1204-1212.	7.3	27
429	New Strategy for Electrochemical Micropatterning of Nafion Film in Sulfuric Acid Solution. <i>Electrochimica Acta</i> , 2014, 146, 125-133.	2.6	4
430	Inverse methods for material design. <i>AIChE Journal</i> , 2014, 60, 2732-2740.	1.8	77
431	Patterned assembly of luminescent nanocrystals: role of the molecular chemistry at the interface. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3
432	Field Enhancement of Tip with Spiral Nanostructure. <i>Plasmonics</i> , 2014, 9, 1245-1249.	1.8	5
433	Highly controllable and reproducible ZnO nanowire arrays growth with focused ion beam and low-temperature hydrothermal method. <i>Applied Surface Science</i> , 2014, 317, 220-225.	3.1	25
434	Topographical length scales of hierarchical superhydrophobic surfaces. <i>Applied Surface Science</i> , 2014, 317, 1068-1074.	3.1	15



#	ARTICLE	IF	CITATIONS
435	Angular Control of a Hybrid Magnetic Metamolecule Using Anisotropic FeCo. <i>Physical Review Applied</i> , 2015, 4, .	1.5	7
437	Magnetic patterning: local manipulation of the intergranular exchange coupling via grain boundary engineering. <i>Scientific Reports</i> , 2015, 5, 11904.	1.6	7
438	High-Resolution Printing of 3D Structures Using an Electrohydrodynamic Inkjet with Multiple Functional Inks. <i>Advanced Materials</i> , 2015, 27, 4322-4328.	11.1	243
439	Laser Transfer of Metals and Metal Alloys for Digital Microfabrication of 3D Objects. <i>Small</i> , 2015, 11, 4082-4089.	5.2	71
440	Hierarchical protein patterning by meso to molecular scale self-assembly. <i>Nanotechnology</i> , 2015, 26, 415302.	1.3	3
441	Directed self-oriented self-assembly of block copolymers using topographical surfaces. , 2015, , 99-127.		1
443	Large-Area Nanosphere Self-Assembly by a Micro-Propulsive Injection Method for High Throughput Periodic Surface Nanotexturing. <i>Nano Letters</i> , 2015, 15, 4591-4598.	4.5	191
444	Nano-bioelectronics via dip-pen nanolithography. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6431-6444.	2.7	23
445	Production of centimeter-scale sub-wavelength nanopatterns by controlling the light path of adhesive photomasks. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6796-6808.	2.7	7
446	Soft lithography processing of fresnel lens for on-chip applications. , 2015, , .		0
447	Platinum-decorated reduced graphene oxide/polyaniline:poly(4-styrenesulfonate) hybrid paste for flexible dipole tag-antenna applications. <i>Nanoscale</i> , 2015, 7, 3668-3674.	2.8	7
448	Hierarchical nanostructures of diblock copolymer thin films directed by a saw-toothed substrate. <i>Soft Matter</i> , 2015, 11, 6642-6651.	1.2	7
449	Direct Crystallization Route to Methylammonium Lead Iodide Perovskite from an Ionic Liquid. <i>Chemistry of Materials</i> , 2015, 27, 3197-3199.	3.2	87
450	One-step nanopatterning of conjugated polymers by electron-beam-assisted electropolymerization. <i>Microscopy (Oxford, England)</i> , 2015, 64, 205-212.	0.7	6
451	Single-step preparation of two-dimensionally organized gold particles via ionic liquid/metal sputter deposition. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13150-13159.	1.3	26
452	Near Field Investigation of a Plasmonic $\lambda/4$ neburg Lens. <i>Plasmonics</i> , 2015, 10, 1513-1518.	1.8	2
453	Platinum-decorated carbon nanoparticle/polyaniline hybrid paste for flexible wideband dipole tag-antenna application. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7029-7035.	5.2	16
454	Self-Assembled Monolayer-Assisted Negative Lithography. <i>Langmuir</i> , 2015, 31, 2922-2930.	1.6	16

#	ARTICLE	IF	CITATIONS
455	Additive, modular functionalization of reactive self-assembled monolayers: toward the fabrication of multilevel optical storage media. <i>Nanoscale</i> , 2015, 7, 7184-7188.	2.8	9
456	Patterning of polymer brushes made easy using titanium dioxide: direct and remote photocatalytic lithography. <i>Chemical Communications</i> , 2015, 51, 7313-7316.	2.2	34
457	Experimental and Modeling Study of Solvent Diffusion in PDMS for Nanoparticle-“Polymer Cosuspension Imprint Lithography. <i>Langmuir</i> , 2015, 31, 9809-9816.	1.6	5
458	Catalytic hydroprocessing of heavy oil feedstocks. <i>Russian Chemical Reviews</i> , 2015, 84, 981-999.	2.5	41
459	3D Printing of Reduced Graphene Oxide Nanowires. <i>Advanced Materials</i> , 2015, 27, 157-161.	11.1	227
460	A High-Transmission, Multiple Antireflective Surface Inspired from Bilayer 3D Ultrafine Hierarchical Structures in Butterfly Wing Scales. <i>Small</i> , 2016, 12, 713-720.	5.2	46
461	A mathematical optimization framework for the design of nanopatterned surfaces. <i>AIChE Journal</i> , 2016, 62, 3250-3263.	1.8	16
462	Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by In-Situ Atom-Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5692-5697.	7.2	64
463	Photolithographic Micropatterning of Conducting Polymers on Flexible Silk Matrices. <i>Advanced Materials</i> , 2016, 28, 1406-1412.	11.1	99
464	Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by In-Situ Atom-Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2016, 128, 5786-5791.	1.6	29
465	Rapid nanopatterning technique based on monolayer silica nanosphere close-packing by spin coating. <i>Science China Technological Sciences</i> , 2016, 59, 1573-1580.	2.0	8
466	Conductive magnetic-patchy colloidal microparticles for a high performance pressure sensor. <i>Chemical Communications</i> , 2016, 52, 12334-12337.	2.2	7
467	Protein patterning by a DNA origami framework. <i>Nanoscale</i> , 2016, 8, 15233-15240.	2.8	10
468	Patterning of Solid Films via Selective Atomic Layer Deposition Based on Silylation and UV/Ozonolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19836-19841.	4.0	13
469	Branch Suppression and Orientation Control of Langmuir-Blodgett Patterning on Prestructured Surfaces. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600478.	1.9	10
470	Diamond-structured hollow-tube lattice Ni materials via 3D printing. <i>Science China Chemistry</i> , 2016, 59, 1632-1637.	4.2	12
471	Design methodology for a confocal imaging system using an objective microlens array with an increased working distance. <i>Scientific Reports</i> , 2016, 6, 33278.	1.6	16
472	Shape-Adaptable Polymeric Particles for Controlled Delivery. <i>Macromolecules</i> , 2016, 49, 8373-8386.	2.2	48

#	ARTICLE	IF	CITATIONS
473	Low temperature thermal engineering of nanoparticle ink for flexible electronics applications. <i>Semiconductor Science and Technology</i> , 2016, 31, 073003.	1.0	29
474	Independent effects of the chemical and microstructural surface properties of polymer/ceramic composites on proliferation and osteogenic differentiation of human MSCs. <i>Acta Biomaterialia</i> , 2016, 42, 364-377.	4.1	32
475	Effect of chain extender modification on the structure and properties of thermoplastic poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	4
476	Advancements of vertically aligned liquid crystal displays. <i>Micron</i> , 2016, 81, 34-47.	1.1	20
477	Self-protective action in multicomponent fluorescent self-assembled monolayers. <i>RSC Advances</i> , 2016, 6, 17106-17109.	1.7	5
478	Fabrication of silicon nanorod arrays via a facile metal-assisted chemical etching method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5833-5838.	1.1	2
479	Conducting polymer-silk biocomposites for flexible and biodegradable electrochemical sensors. <i>Biosensors and Bioelectronics</i> , 2016, 81, 294-302.	5.3	168
480	Bubble-Pen Lithography. <i>Nano Letters</i> , 2016, 16, 701-708.	4.5	170
481	Cell sensing of physical properties at the nanoscale: Mechanisms and control of cell adhesion and phenotype. <i>Acta Biomaterialia</i> , 2016, 30, 26-48.	4.1	152
482	Photodynamic assembly of nanoparticles towards designable patterning. <i>Nanoscale Horizons</i> , 2016, 1, 201-211.	4.1	16
483	STM probing the supramolecular coordination chemistry on solid surface: Structure, dynamic, and reactivity. <i>Coordination Chemistry Reviews</i> , 2017, 337, 145-177.	9.5	76
484	Development of flexible plasmonic plastic sensor using nanograting textured laminating film. <i>Materials Research Express</i> , 2017, 4, 025008.	0.8	14
485	Hybrid 3D printing by bridging micro/nano processes. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 065006.	1.5	8
486	Photomanipulated Architecture and Patterning of Azopolymer Array. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19345-19353.	4.0	34
487	Fabrication of a cost-effective polymer nanograting as a disposable plasmonic biosensor using nanoimprint lithography. <i>Materials Research Express</i> , 2017, 4, 076202.	0.8	12
488	Mask-assisted electron radiation grafting for localized through-volume modification of porous substrates: influence of electron energy on spatial resolution. <i>Radiation Physics and Chemistry</i> , 2017, 135, 133-141.	1.4	10
489	Fabricating Three-Dimensional Periodic Micro Patterns on Photo-Resists Using Laser Interference Lithography. <i>Advanced Engineering Materials</i> , 2017, 19, 1600855.	1.6	3
490	Sub-Micrometer Surface-Patterned Ribbon Fibers and Textiles. <i>Advanced Materials</i> , 2017, 29, 1605868.	11.1	28

#	ARTICLE	IF	CITATIONS
491	Ultrasensitive and Selective Organic FET-type Nonenzymatic Dopamine Sensor Based on Platinum Nanoparticles-Decorated Reduced Graphene Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39526-39533.	4.0	58
492	Coordination of Boron-centered Lewis Acids by <i>organo</i> -substituted Phosphanylboranes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1326-1330.	0.6	14
493	Precise Protein Photolithography (P <sup>3</sup> ): High Performance Biopatterning Using Silk Fibroin Light Chain as the Resist. <i>Advanced Science</i> , 2017, 4, 1700191.	5.6	47
494	Nano-fabrication of depth-varying amorphous silicon crescent shell array for light trapping. <i>Nanotechnology</i> , 2017, 28, 505301.	1.3	4
495	Suspension-based imprint lithography of ZnO-PMMA hybrids. <i>Soft Matter</i> , 2017, 13, 5569-5579.	1.2	6
496	Biosensing using photolithographically micropatterned electrodes of PEDOT:PSS on ITO substrates. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 140-147.	4.0	35
497	Sub-50 nm Channel Vertical Field-Effect Transistors using Conventional Ink-Jet Printing. <i>Advanced Materials</i> , 2017, 29, 1603858.	11.1	30
498	Shaped stimuli-responsive hydrogel particles: syntheses, properties and biological responses. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9-35.	2.9	71
499	Photolithography-Based Substrate Microfabrication for Patterning Semaphorin 3A to Study Neuronal Development. <i>Methods in Molecular Biology</i> , 2017, 1493, 321-343.	0.4	14
500	Development Of Flexible Plasmonic Sensor Based On Imprinted Nanostructure Array On Plastics. <i>Materials Today: Proceedings</i> , 2018, 5, 2216-2221.	0.9	2
501	Recent progress on nanostructured conducting polymers and composites: synthesis, application and future aspects. <i>Science China Materials</i> , 2018, 61, 303-352.	3.5	184
503	Localized Pulsed Electrodeposition Process for Three-Dimensional Printing of Nanotwinned Metallic Nanostructures. <i>Nano Letters</i> , 2018, 18, 208-214.	4.5	68
504	Growth of regular nanometric molecular arrays on a functional 2D template based on a chemical guest-host approach. <i>Nanoscale</i> , 2018, 10, 2067-2072.	2.8	6
505	Innovations in biomedical nanoengineering: nanowell array biosensor. <i>Nano Convergence</i> , 2018, 5, 9.	6.3	24
506	Boronic acids as molecular inks for surface functionalization of polyvinyl alcohol substrates. <i>New Journal of Chemistry</i> , 2018, 42, 7392-7398.	1.4	8
507	Direct laser interference patterning of ophthalmic polydimethylsiloxane (PDMS) polymers. <i>Optics and Lasers in Engineering</i> , 2018, 106, 139-146.	2.0	28
508	Fabrication of Defined Polydopamine Nanostructures by DNA Origami-templated Polymerization. <i>Angewandte Chemie</i> , 2018, 130, 1603-1607.	1.6	25
509	3D printed porous carbon anode for enhanced power generation in microbial fuel cell. <i>Nano Energy</i> , 2018, 44, 174-180.	8.2	151

#	ARTICLE	IF	CITATIONS
510	A Facile Approach for Fabricating Microstructured Surface Based on Etched Template by Inkjet Printing Technology. <i>Polymers</i> , 2018, 10, 1209.	2.0	23
511	Ultrasensitive diffraction gratings based on smart hydrogels for highly selective and rapid detection of trace heavy metal ions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11356-11367.	2.7	39
512	Catalyzed Atomic Layer Deposition of Silicon Oxide at Ultralow Temperature Using Alkylamine. <i>Langmuir</i> , 2018, 34, 6660-6669.	1.6	11
513	Additive manufacturing of metallic materials. , 2018, , 53-103.		26
514	Cellular responses to nanoscale surface modifications of titanium implants for dentistry and bone tissue engineering applications. , 2018, , 137-163.		3
515	Assemblies of porphyrin and phthalocyanine derivatives studied by STM. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 717-725.	0.4	14
516	Engineering Cell Adhesion and Orientation via Ultrafast Laser Fabricated Microstructured Substrates. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2053.	1.8	25
517	Application of 3D Printed Porous Copper Anode in Microbial Fuel Cells. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	35
518	Deep-UV photoinduced chemical patterning at the micro- and nanoscale for directed self-assembly. <i>Scientific Reports</i> , 2018, 8, 10444.	1.6	11
519	Investigation of the influence of ultrasonic stirring on mass transfer in the through-mask electrochemical micromachining process. <i>Science China Technological Sciences</i> , 2018, 61, 250-256.	2.0	6
520	Laser-etch patterning of metal oxide coated carbon nanotube 3D architectures. <i>Nanotechnology</i> , 2018, 29, 335302.	1.3	3
521	Advances in the regulation of bipyridine derivatives on two-dimensional (2D) supramolecular nanostructures. <i>New Journal of Chemistry</i> , 2019, 43, 13315-13325.	1.4	13
522	Fabrication on bioinspired surfaces. , 2019, , 99-146.		15
523	Smart Hydrogel Gratings for Sensitive, Facile, and Rapid Detection of Ethanol Concentration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 17833-17841.	1.8	19
524	Controlling surface morphology by nanocrystalline/amorphous competitive self-phase separation in thin films: Thickness-modulated reflectance and interference phenomena. <i>Acta Materialia</i> , 2019, 181, 78-86.	3.8	11
525	Printing "Smart" Inks of Redox-Responsive Organometallic Polymers on Microelectrode Arrays for Molecular Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37060-37068.	4.0	10
526	Lithography Compatible, Flexible Micro"Organic Light" Emitting Diodes by Template"Directed Growth. <i>Small Methods</i> , 2019, 3, 1800508.	4.6	17
527	Additive Manufacturing of 3D"Architected Multifunctional Metal Oxides. <i>Advanced Materials</i> , 2019, 31, e1901345.	11.1	68

#	ARTICLE	IF	CITATIONS
528	Multi-species micropatterning of organic materials by liquid droplet array transfer printing. Applied Physics Letters, 2019, 114, .	1.5	5
529	High-throughput microstructure printing technology using inflatable thin membrane with microchannel. International Journal of Advanced Manufacturing Technology, 2019, 103, 1709-1719.	1.5	2
530	Photomask-Free, Direct Selective Electroless Deposition on Glass by Controlling Surface Hydrophilicity. ACS Omega, 2019, 4, 7706-7710.	1.6	8
531	Large area patterning of residue-free metal oxide nanostructures by liquid transfer imprint lithography. Nanotechnology, 2019, 30, 235301.	1.3	3
533	Development of Dip-Pen Nanolithography (DPN) and Its Derivatives. Small, 2019, 15, e1900564.	5.2	75
534	Growth of nanowire arrays from micron-feature templates. Nanotechnology, 2019, 30, 285302.	1.3	1
535	Patterning polymer-filled nanoparticle films via leaching-enabled capillary rise infiltration (LeCaRI). Nanoscale Horizons, 2019, 4, 933-939.	4.1	21
536	Adhesion Asymmetry in Peeling of Thin Films With Homogeneous Material Properties: A Geometry-Inspired Design Paradigm. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	1.1	5
537	Ordered Hybrid Micro/Nanostructures and Their Optical Applications. Advanced Optical Materials, 2019, 7, 1800980.	3.6	22
538	Regulation and Directing Stem Cell Fate by Tissue Engineering Functional Microenvironments: Scaffold Physical and Chemical Cues. Stem Cells International, 2019, 2019, 1-16.	1.2	60
539	Single step additive manufacturing (3D printing) of electrocatalytic anodes and cathodes for efficient water splitting. Sustainable Energy and Fuels, 2020, 4, 302-311.	2.5	49
540	Surface Patterning. , 2020, , 553-573.		7
541	Improving the surface durability of patterned AISI 316LM steels by nitriding treatment for dry friction sliding. Tribology International, 2020, 146, 106232.	3.0	6
542	Interfacing DNA and Polydopamine Nanoparticles and Its Applications. Particle and Particle Systems Characterization, 2020, 37, 2000208.	1.2	20
543	Creation of Curved Nanostructures Using Soft-Materials-Derived Lithography. Nanomaterials, 2020, 10, 2414.	1.9	2
544	Curcumin-derived one-and two-component organogelators and their performance as template for the synthesis of silver nanoparticles. Arabian Journal of Chemistry, 2020, 13, 5679-5690.	2.3	0
545	One-Step Photolithographic Surface Patterning of Nanometer-Thick Gold Surfaces by Using a Commercial DLP Projector and the Fabrication of a Microheater. Industrial & Engineering Chemistry Research, 2020, 59, 12048-12055.	1.8	3
546	3D printed solution flow type microdroplet cell for simultaneous area selective anodizing. Journal of Advanced Research, 2020, 26, 43-51.	4.4	4

#	ARTICLE	IF	CITATIONS
547	Selective pulsed chemical vapor deposition of water-free HfO <sub>x</sub> on Si in preference to SiCOH and passivated SiO <sub>2</sub> . Applied Surface Science, 2020, 512, 145733.	3.1	8
548	Metasurface-Enabled Generation of Circularly Polarized Single Photons. Advanced Materials, 2020, 32, e1907832.	11.1	76
549	A wide linearity range and high sensitivity flexible pressure sensor with hierarchical microstructures via laser marking. Journal of Materials Chemistry C, 2020, 8, 3088-3096.	2.7	54
550	Review- Reorientation of Polymers in an Applied Electric Field for Electrochemical Sensors. Journal of the Electrochemical Society, 2020, 167, 037556.	1.3	14
551	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. ACS Applied Materials & Interfaces, 2020, 12, 22108-22114.	4.0	37
552	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. Chemical Reviews, 2020, 120, 6009-6047.	23.0	107
553	Fast Fabrication of Localized Porous Alumina Patterns with 3D Printed Microdroplet Cell. Journal of the Electrochemical Society, 2020, 167, 081501.	1.3	7
554	Recent progress in periodic patterning fabricated by self-assembly of colloidal spheres for optical applications. Science China Materials, 2020, 63, 1418-1437.	3.5	16
555	Laser-Based Printing: From Liquids to Microstructures. Advanced Functional Materials, 2021, 31, 2008547.	7.8	23
556	Massively parallel cantilever-free atomic force microscopy. Nature Communications, 2021, 12, 393.	5.8	17
557	Nanopatterning of Biomolecules. , 2021, , 651-665.		0
558	Wet Texturing of a Multi-Crystalline Si-Wafer Using the Phenol-Formaldehyde Resin Mask. IEEE Transactions on Semiconductor Manufacturing, 2021, 34, 58-64.	1.4	0
559	Capillary Effect Enhancement in a Plastic Capillary Tube by Nanostructured Surface. Polymers, 2021, 13, 628.	2.0	3
560	Area-selective molecular layer deposition of nylon 6,2 polyamide: Growth on carbon and inhibition on silica. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	15
561	Surface engineering of intrinsically microporous poly(ether-ether-ketone) membranes: From flat to honeycomb structures. Journal of Membrane Science, 2021, 621, 118997.	4.1	20
562	Polymeric Particulates of Controlled Rigidity for Biomedical Applications. ACS Applied Polymer Materials, 2021, 3, 2274-2289.	2.0	9
563	A Mini-Review on Applications of 3D Printing for Microbial Electrochemical Technologies. Frontiers in Energy Research, 2021, 9, .	1.2	13
564	Glass based micro total analysis systems: Materials, fabrication methods, and applications. Sensors and Actuators B: Chemical, 2021, 339, 129859.	4.0	49

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565	A versatile wax assisted double replica molding and its application in flexible electronic skin. Sensors and Actuators B: Chemical, 2021, 343, 130132.	4.0	12
566	2D metal patterns transformed from 3D printed stamps for flexible Zn//MnO <sub>2</sub> in-plane micro-batteries. Chemical Engineering Journal, 2022, 429, 132196.	6.6	30
567	Organic-inorganic hybrid thin film light-emitting devices: interfacial engineering and device physics. Journal of Materials Chemistry C, 2021, 9, 1484-1519.	2.7	25
569	Fabrication of Defined Polydopamine Nanostructures by DNA Origami-Templated Polymerization. Angewandte Chemie - International Edition, 2018, 57, 1587-1591.	7.2	100
570	Control of Liquids by Surface Energies. , 2007, , 157-202.		5
571	Combinatorial Libraries of Fluorescent Monolayers on Glass. , 2009, , 81-115.		2
572	Development of High-Throughput Control Techniques for Tip-Based Nanofabrication. , 2011, , 325-355.		3
573	Low-Cost and Large-Area Electronics, Roll-to-Roll Processing and Beyond. Springer Series in Materials Science, 2014, , 271-295.	0.4	2
574	Lithographic Techniques in Nanocatalysis. Nanoscience and Technology, 2007, , 269-341.	1.5	5
575	Nanoengineered textiles: from advanced functional nanomaterials to groundbreaking high-performance clothing. , 2020, , 611-714.		11
576	Regulation and Directing Stem Cell Fate by Tissue Engineering Functional Microenvironments: Scaffold Physical and Chemical Cues. Stem Cells International, 2019, 2019, 1-16.	1.2	84
577	Fabrication of biological arrays by unconventional lithographic methods. Frontiers in Bioscience - Scholar, 2009, S1, 406-419.	0.8	1
578	PREPARATION OF SUPER-HYDROPHOBIC SURFACES BY USING ELASTOMER TEMPLATES AND UV-CURABLE RESIN. Acta Polymerica Sinica, 2008, 008, 155-160.	0.0	7
579	ALTERNATIVE NANOFABRICATION APPROACHES FOR NON-CMOS APPLICATIONS. , 2008, , 499-542.		0
580	Surface Percolation and Growth. An alternative scheme for breaking the diffraction limit in optical patterning. Papers in Physics, 0, 1, 010008.	0.2	0
581	Laser Interference Metallurgy. , 2009, , 281-307.		1
582	Surface Treatment and Planarization. MEMS Reference Shelf, 2011, , 925-1044.	0.6	0
583	Nanofabrication Techniques and Their Applications to Terahertz Science and Technology. , 2012, , 147-162.		0



#	ARTICLE	IF	CITATIONS
585	Fabrication of Three-Dimensional Micro Optical and Fluidic System Using Dual Stage Nanostereolithography Process. Korean Journal of Air-Conditioning and Refrigeration Engineering, 2015, 27, 552-557.	0.1	1
586	Bezpořadnia laserowa litografia interferencyjna w periodycznej obróbce biomateriałów. Bulletin of the Military University of Technology, 2016, 65, 31-53.	0.1	1
587	Antireflective silicon nanostructures. Series in Materials Science and Engineering, 2017, , 373-396.	0.1	0
588	Nanolithography by Scanning Probes for Biorecognition. , 0, , .		0
589	Designable Micro-Nano-Structured Smart Polymeric Materials. Advanced Materials, 2022, 34, e2107877.	11.1	41
590	Reduction of biofilm formation on 3D printing materials treated with essential oils major compounds. Industrial Crops and Products, 2022, 182, 114864.	2.5	7
592	Patterning of thermosetting resins via laser engraving towards efficient thermal management. Nano Energy, 2022, 100, 107477.	8.2	13
593	Phase-field numerical study on the dynamic process of thermocapillary patterning. Physical Review E, 2022, 106, .	0.8	2
594	Two-photon polymerization for 3D biomedical scaffolds: Overview and updates. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	18
595	Metasurfaces-Enabled Manipulation of Spontaneous Photon Emission. Springer Theses, 2022, , 81-99.	0.0	0
596	Computational Investigation of Precursor Blocking during Area-Selective Atomic Layer Deposition Using Aniline as a Small-Molecule Inhibitor. Langmuir, 2023, 39, 4265-4273.	1.6	2